

What is claimed is:

1. A fluorescent display device comprising:

an envelop of which an inner space is in a vacuum
5 state, the envelop having therein a plurality of filament-
shaped cathodes supported by a pair of cathode supports; and
anodes, each having a fluorescent material, fluorescent
materials of the anodes radiating light by impaction of
electrons emitted from the cathodes;

10 wherein each of the cathode supports includes a base
fixed to the envelop; one or more anchors, each having an
arm serving as a resilient member and a tab for supporting
one end of a cathode, the arm having a distal end portion
and a proximal end portion, the proximal end portion being
15 connected to the base and the tab being disposed at the
distal end portion; and one or more support members, each
being connected to the base and separated from the arm of
its adjacent anchor and supporting one end of another
cathode.

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2. The fluorescent display device of claim 1, wherein
each of the cathode supports is formed by bending a shaped
sheet, and the shaped sheet has a slit formed between each
support member and its adjacent anchor, each support member
25 and its adjacent anchor being seamlessly connected to the
base.

3. A cathode support for use in a fluorescent display device including an envelop of which an inner space is in a vacuum state, the envelop having therein filament-shaped cathodes; and anodes, each anode having a fluorescent material, fluorescent materials of the anodes radiating light by impaction of electrons emitted from the cathodes, the cathode support supporting the cathodes inside the envelop and comprising:

10 a base fixed to the envelop;

one or more anchors, each having an arm serving as a resilient member and a tab for supporting one end of a cathode, the arm having a distal end portion and a proximal end portion, the proximal end portion being connected to the base and the tab being disposed at the distal end portion;

15 and

one or more support members, each being connected to the base and separated from the arm of its adjacent anchor and supporting one end of another cathode.

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